

REDACTED VERSION

ARD983269275

SITE ASSESSMENT REPORT
FOR
CABOT LANDFILL
CABOT, LONOKE COUNTY, ARKANSAS

June 30, 1994

Prepared for:

J. Chris Petersen
Deputy Project Officer
Emergency Response Branch
EPA - REGION 6

Contract Number: 68-WO-0037



ecology and environment, inc.

1999 BRYAN STREET, DALLAS, TEXAS 75201, TEL. (214) 220-0318
International Specialists in the Environment



ecology and environment, inc.

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ARD983269275

Date: June 30, 1994

To: Greg Fife, OSC
EPA Region 6, Emergency Response Branch

Thru: J. Chris Petersen, DPO
EPA Region 6, Emergency Response Branch

Thru: Chris Quina, TATL
Region 6, Technical Assistance Team

From: Eliza Frank, TAT
Region 6, Technical Assistance Team

Subj: Site Assessment: Cabot Landfill
Cabot, Lonoke County, Arkansas
TDD#: T06-9403-015
PAN : EAR0274SAA

I. INTRODUCTION

On May 10, 1994, the Region 6 Technical Assistance Team (TAT) conducted a site assessment at the Cabot Landfill. TAT members Eliza Frank and Deborah Stephens were tasked by the Environmental Protection Agency (EPA) Emergency Response Branch (ERB) to assess the site, provide photodocumentation, coordinate with local officials and brief the On-Scene Coordinator (OSC).

II. BACKGROUND

The Cabot Landfill, Cabot, Lonoke County, Arkansas was issued a permit to operate as a municipal landfill by the State of Arkansas Commission on Pollution Control and Ecology in 1975. The City of Cabot owns 118.25 acres, 14.9 of which were permitted for landfill use. During landfill operations, the State conducted several inspections. The landfill was cited for exceeding its permitted boundaries, leachate problems and overall poor conditions. A 1981 inspection noted the presence of 34 55-gallon drums on-site. The drums contained various solvents, including paint stripper and lacquer sealer, and some appeared to be bulging and leaking. Responsible parties reportedly retrieved the drums; however, there

was not any documentation to suggest that any soil was removed due to possible contamination from the leaking drums. The site closed in 1987. The City of Cabot sanitation superintendent, Andy Dedmon, continues to monitor the site and bring in additional cover materials to maintain the landfill cap.

Previous investigations conducted at the site include a 1990 Preliminary Assessment (PA) prepared by the Field Investigation Team (FIT) and a 1993 Site Investigation (SI) report submitted to the EPA Site Assessment Branch (SAB) by the Alternative Remedial Contracting Strategy (ARCS). The primary items of concern noted in the 1990 PA report include site security and the potential for leachate to enter an intermittent creek. The 1993 SI report states that chemical analysis of sediment and water from leachate seeps on the landfill indicated low concentrations of hazardous constituents such as polynuclear aromatic compounds. Samples taken from the on-site drainage ditches indicated low levels of hazardous constituents. FIT did not locate any municipal or public water supply wells within a four mile radius of the site. The nearest residential well was sampled; however, results indicated that there had been no release to this well. Upon review of the PA and SI, the site received the classification of No Further Remedial Action Planned (NFRAP) by the EPA-SAB.

III. ACTIONS TAKEN

TAT met with Mr. Dedmon of the City of Cabot Street and Sanitation Departments to conduct a survey of the site on May 10, 1994. TAT observed that the landfill was heavily vegetated with evidence of wildlife on-site. The landfill consists of an older 20 acre cell and a more recent unpermitted six-acre cell located in the northwest corner of the site.

When ponding was noted on-site, Mr. Dedmon stated that the standing water results from rain water collecting in depressions in the landfill cap. The depressions develop as materials beneath the cap decompose. Wet weather springs were present on-site, but ditches and culverts channeled the small amount of water flow off the landfill toward the intermittent creek adjacent to the site. TAT did not observe any leachate problems while on-site. TAT sampled the on-site ponds and ditches at six locations using pH strip indicators. The pH paper readings ranged from pH six to seven. TAT did not observe any monitoring wells on-site and the single closest drinking water well is located approximately 100 feet south of the property boundary.

A firing range for the City of Cabot Police Department is currently located on the site, adjacent to the six acre cell. Mr. Dedmon expressed concern about future lead levels on-site as a result of the firing range. Due to use of the firing range, the gravel road through the site is well maintained. There is a locked gate at the

designated entrance to the site; however, fencing is not present around most of the site. Mr. Dedmon also stated that since gate keys have been distributed throughout the community for access to the firing range, illegal dumping has occurred. TAT did not observe any illegally dumped wastes during the site visit, but Mr. Dedmon complained that he recently had removed three truck loads of illegally dumped furniture and mattresses from the site. Bordering the southwest edge of the site are several residences. The lack of fencing or security allows access to the site via recreational vehicle or on-foot. Evidence of public activity on-site included a well worn recreational vehicle path across the 20 acre cell. To the west and north, the landfill area is bordered by thick vegetation.

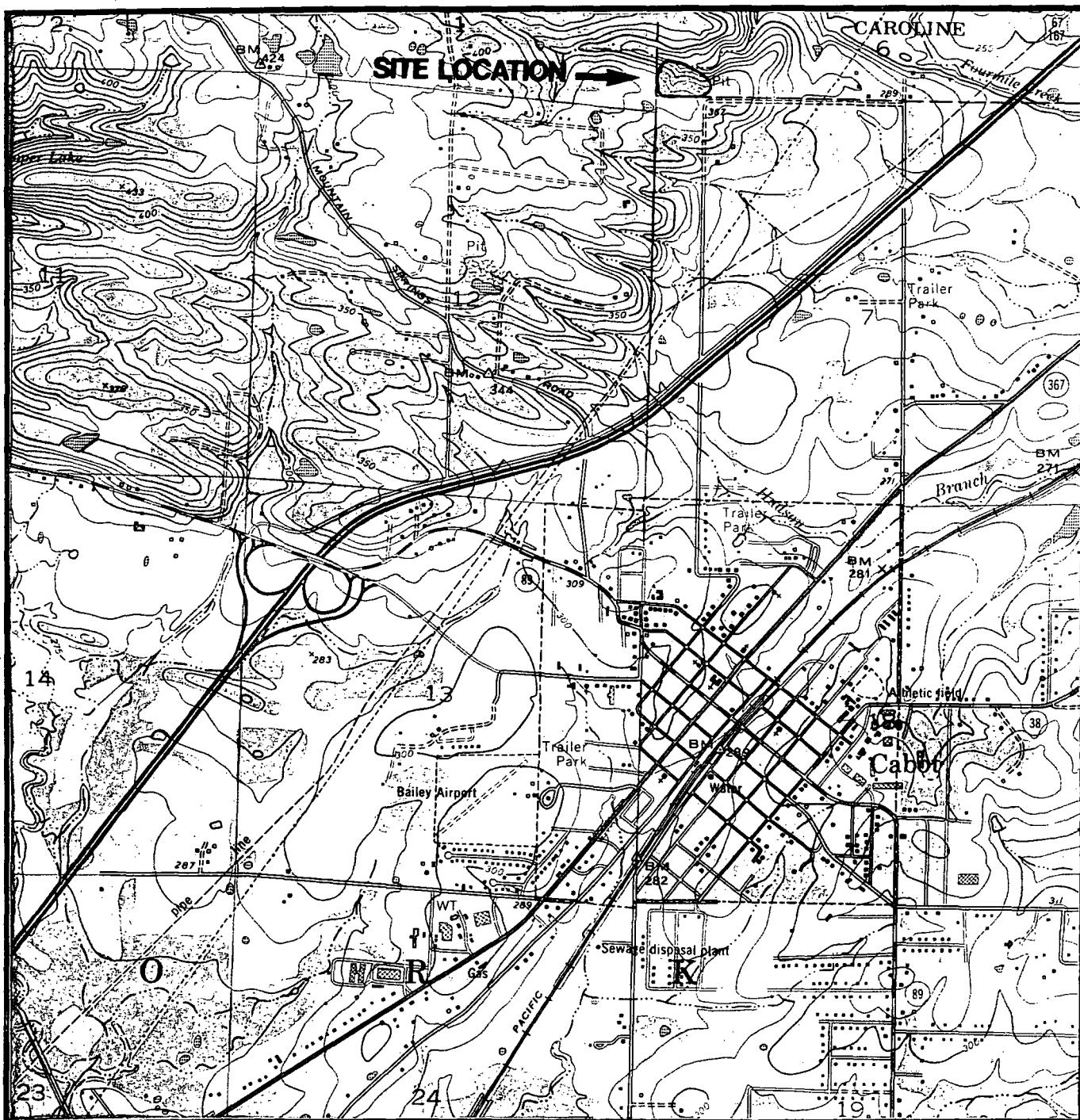
A few depressions in the cap were noted during the site assessment. Mr. Dedmon continues to add layers to the present cap on the landfill and fill in the depressions with excess construction materials, including dirt and concrete slabs, which he brings to the site. While depression depths on the landfill range from one to five feet, the cap remains intact. The cap is a minimum depth of two feet across the site and extends to a depth of four to 10 feet in some areas. Tire piles noted during the 1991 SI were removed for recycling through an agreement with the State. TAT performed written and photographic documentation during the site assessment. Upon briefing by TAT, the EPA-OSC concluded that no further action is necessary at this location.

ATTACHMENTS:

- A Site Location Map
- B Site Sketch
- C Photographs (pages 1-13)
- D Negatives (retained in TAT file)
- E Copy of Logbook (pages 1-17)
- F Copy of TDD# T06-9403-015

ATTACHMENT A
Site Location Map

T06-9403-015



**ATTACHMENT A
SITE LOCATION MAP
CABOT LANDFILL
CABOT, LONOKE COUNTY, AR**



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ecology and environment, inc.
Technical Assistance Team
Region 6

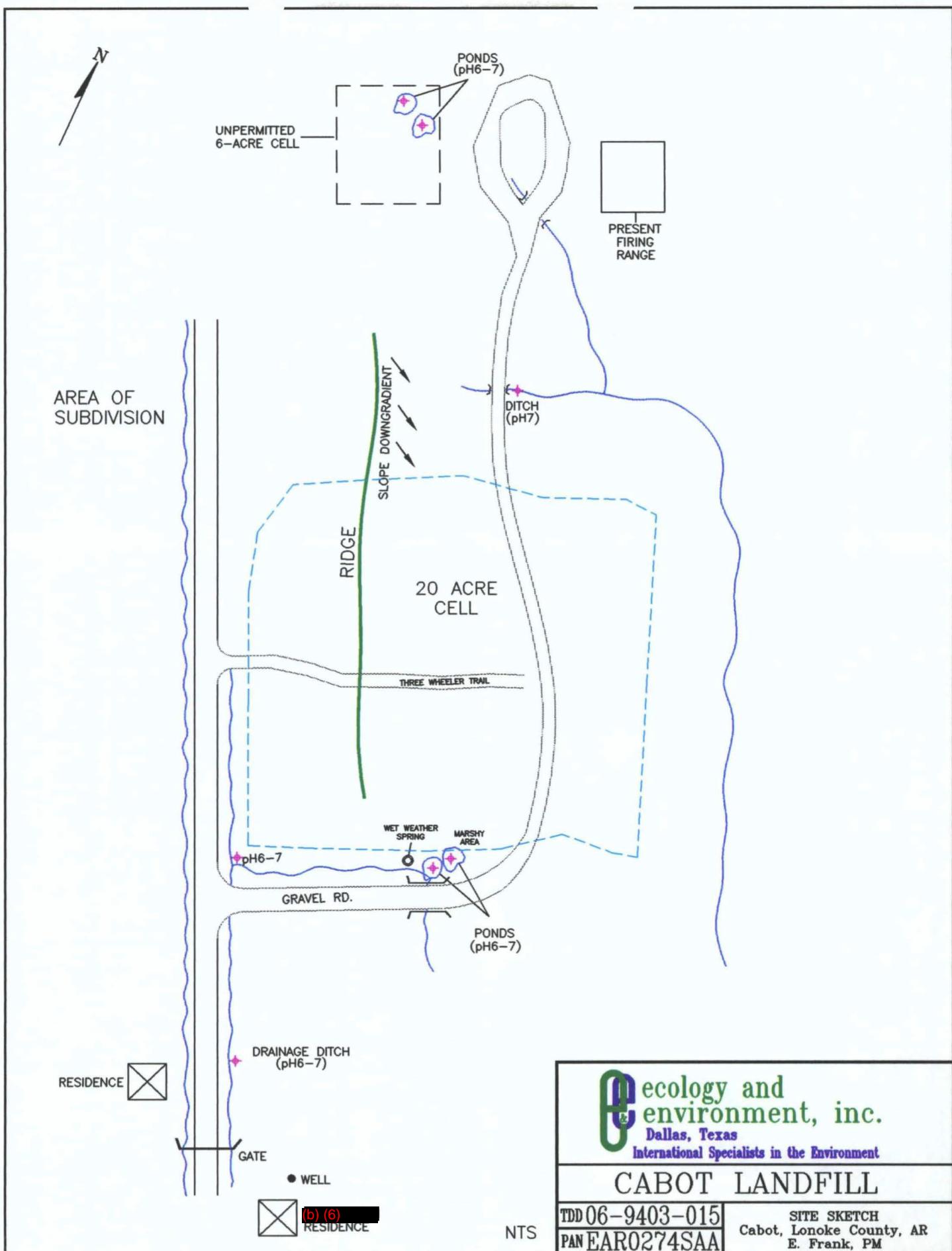
CERCLIS/CASE#: ARD983269275

TDD: T06-9403-015

SOURCE: Cabot Quad, 1954 photorevised 1970 and 1975
USGS 7.5 minute topographic Scale 1:24 000

ATTACHMENT B
Site Sketch

T06-9403-015



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Dallas, Texas
International Specialists in the Environment

CABOT LANDFILL

TDD 06-9403-015
PAN EAR0274SAA

SITE SKETCH
Cabot, Lonoke County, AR
E. Frank, PM

NTS

ATTACHMENT C
Photographs

T06-9403-015

05/20/94

PAGE : 1

PHOTOGRAPH TRACKING SYSTEM
TAT REGION 6

DATE	TIME	PHOTO #	DIRECTION	COMMENTS	PHOTOGRAPHER\WITNESS
/ /	0				
05/10/94	1030	101	W	<u>Ponds accumulating along north end of site, near the firing range.</u>	DS/EF
05/10/94	1032	102	NW	<u>Pond at north end of site, by the unpermitted 6 acre area.</u>	DS/EF
05/10/94	1048	103	S	<u>Three-wheeler trail running across the old landfill cell.</u>	DS/EF
05/10/94	1050	104	N	<u>View to north of the old 20 acre cell from the gravel road.</u>	DS/EF
05/10/94	1050	105	NW	<u>View to NW from gravel road of old 20 acre cell.</u>	DS/EF
05/10/94	1050	106	W	<u>View to west of old cell from gravel road.</u>	DS/EF
05/10/94	1051	107	SW	<u>View of old cell down the gravel road which runs from the site entrance.</u>	DS/EF
05/10/94	1051	108	SW	<u>View SW from the gravel road of the old cell.</u>	DS/EF
05/10/94	1058	109	W	<u>The 6 acre unpermitted cell at the north end of the site.</u>	DS/EF
05/10/94	1059	110	NW	<u>View down gravel road toward firing range on-site, near 6 acre cell.</u>	DS/EF
05/10/94	1110	111	N	<u>View from atop the three-wheeler trail and old 20 acre cell. Four Mile Creek lies 1-2 miles over the ridge in background.</u>	DS/EF
05/10/94	1111	112	SE	<u>View from atop old cell toward site entrance and houses near site.</u>	DS/EF
05/10/94	1112	113	W	<u>View to west on top of rise in the old 20 acre cell, standing on three-wheeler trail/road.</u>	DS/EF
05/10/94	1112	114	SW	<u>View atop old cell along continuation of 3-wheeler trail that bisects site.</u>	DS/EF
05/10/94	1128	115	Down	<u>pH being taken in ditch near road intersection at SE corner of old cell.</u>	EF/DS
05/10/94	1130	116	W	<u>View across old cell from gravel road along SE edge of old cell.</u>	EF/DS
05/10/94	1132	117	NW	<u>Ponding in the NE corner of the old cell along the bend in the gravel road.</u>	EF/DS

05/20/94
PAGE : 2

PHOTOGRAPH TRACKING SYSTEM
TAT REGION 6

DATE	TIME	PHOTO #	DIRECTION	COMMENTS	PHOTOGRAPHER\WITNESS
05/10/94	1133	118	W	<u>Ponding near NE corner of old cell near bend in gravel road.</u>	EF/DS
05/10/94	1132	119	S	<u>Gravel road (running from site entrance) across SE edge of old cell.</u>	EF/DS
05/10/94	1132	120	S	<u>Marshy area (ponding) beside gravel road near NE corner of original cell.</u>	EF/DS
05/10/94	1145	121	W	<u>Residence parallel to main gate entrance to site and gravel road.</u>	EF/DS
05/10/94	1147	122	W	<u>Edge of residence and entry road to site.</u>	EF/DS
05/10/94	1148	123	W	<u>Main entrance gate with "CLOSED" sign.</u>	EF/DS
05/10/94	1150	124	W	<u>Main site entrance and nearby resident's yard.</u>	EF/DS
05/10/94	1152	125	NE	<u>Residence south of site with well closest to landfill (wellhouse is small red-brown building).</u>	EF/DS



SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 101 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1030 DIRECTION: W
Ponds accumulating along north end of site, near the firing range.

SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 102 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1032 DIRECTION: NW
Pond at north end of site, by the unpermitted 6 acre area.





SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 103 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1048 DIRECTION: S
Three-wheeler trail running across the old landfill cell.

SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 104 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1050 DIRECTION: N
View to north of the old 20 acre cell from the gravel road.





SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 105 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1050 DIRECTION: NW
View to NW from gravel road of old 20 acre cell.

SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 106 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1050 DIRECTION: W
View to west of old cell from gravel road. ↓





SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 107 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1051 DIRECTION: SW
View of old cell down the gravel road which runs from
the site entrance.

SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 108 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1051 DIRECTION: SW
View SW from the gravel road of the old cell.





SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 109 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1058 DIRECTION: W
The 6 acre unpermitted cell at the north end of the site.

SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 110 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1059 DIRECTION: NW
View down gravel road toward firing range on-site,
near 6 acre cell.





SITE NAME: Cabot Landfill TDD#: T06-9403-015 ↑
PHOTO#: 111 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1110 DIRECTION: N
View from atop the three-wheeler trail and old 20 acre
cell. Four Mile Creek lies 1-2 miles over the
ridge in background.

SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 112 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1111 DIRECTION: SE
View from atop old cell toward site entrance and
houses near site. ↓





SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 113 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1112 DIRECTION: W
View to west on top of rise in the old 20 acre cell,
standing on three-wheeler trail/road.



SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 114 PHOTOGRAPHER/WITNESS: DS/EF
DATE: 05/10/94 TIME: 1112 DIRECTION: SW
View atop old cell along continuation of 3-wheeler
trail that bisects site.





SITE NAME: Cabot Landfill TDD#: T06-9403-015 ↑
PHOTO#: 115 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1128 DIRECTION: Down
pH being taken in ditch near road intersection at SE corner of old cell.

SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 116 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1130 DIRECTION: W
View across old cell from gravel road along SE edge of old cell. ↓





SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 117 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1132 DIRECTION: NW
Ponding in the NE corner of the old cell along the
bend in the gravel road.



SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 118 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1133 DIRECTION: W
Ponding near NE corner of old cell near bend in gravel
road.





SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 119 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1132 DIRECTION: S
Gravel road (running from site entrance) across SE edge of old cell.

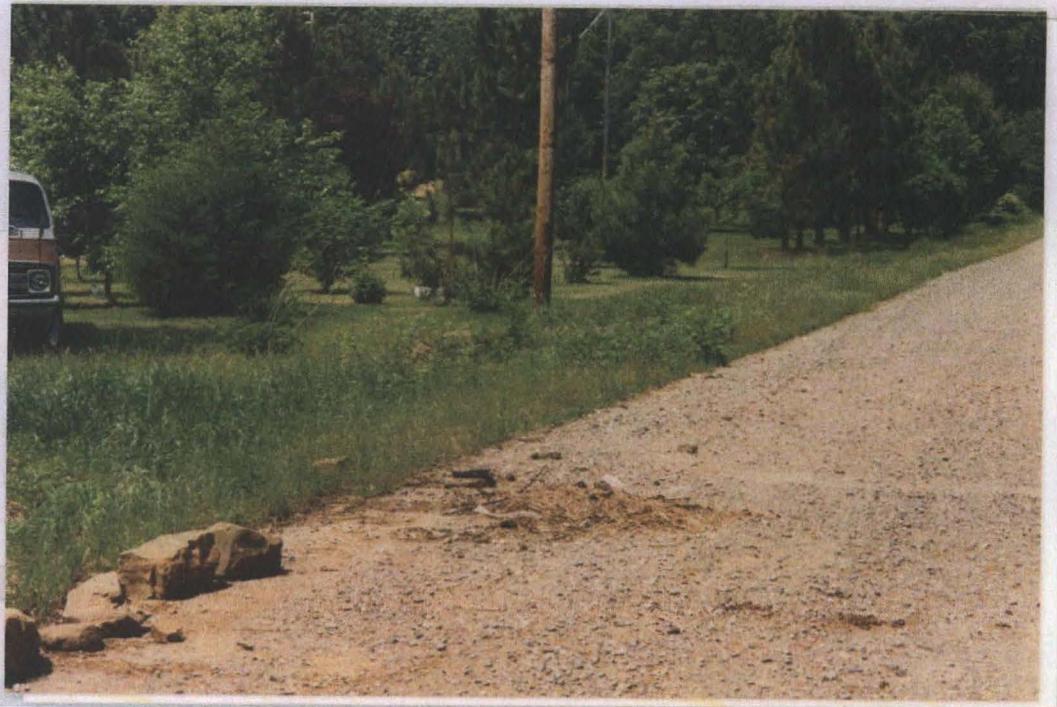
SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 120 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1132 DIRECTION: S
Marshy area (ponding) beside gravel road near NE corner of original cell.

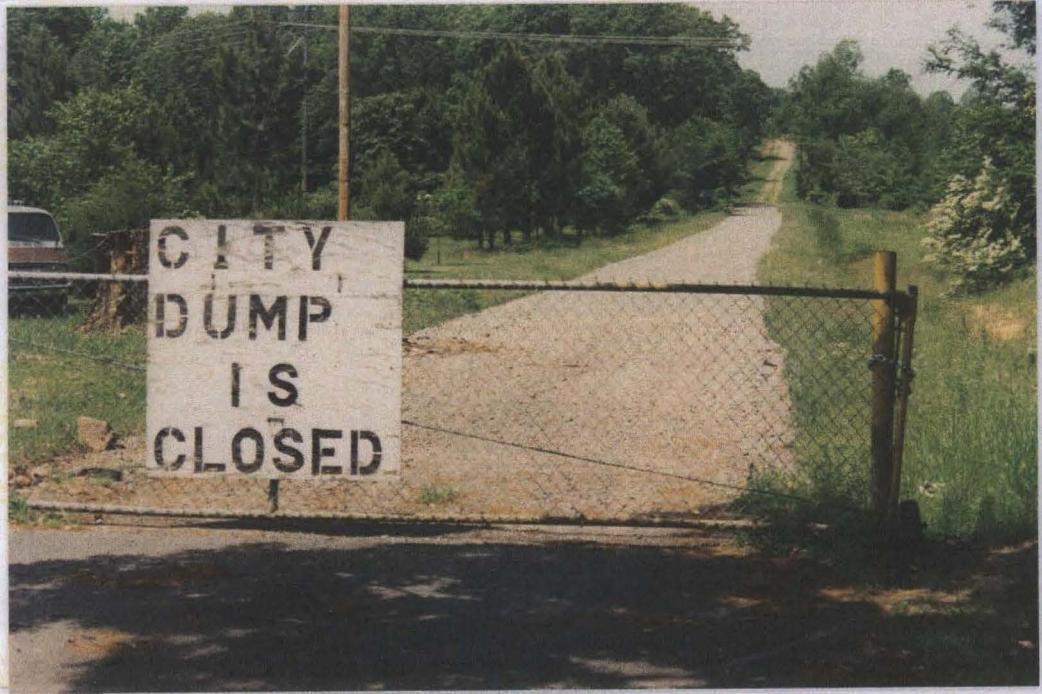




SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 121 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1145 DIRECTION: W
Residence parallel to main gate entrance to site and
gravel road.

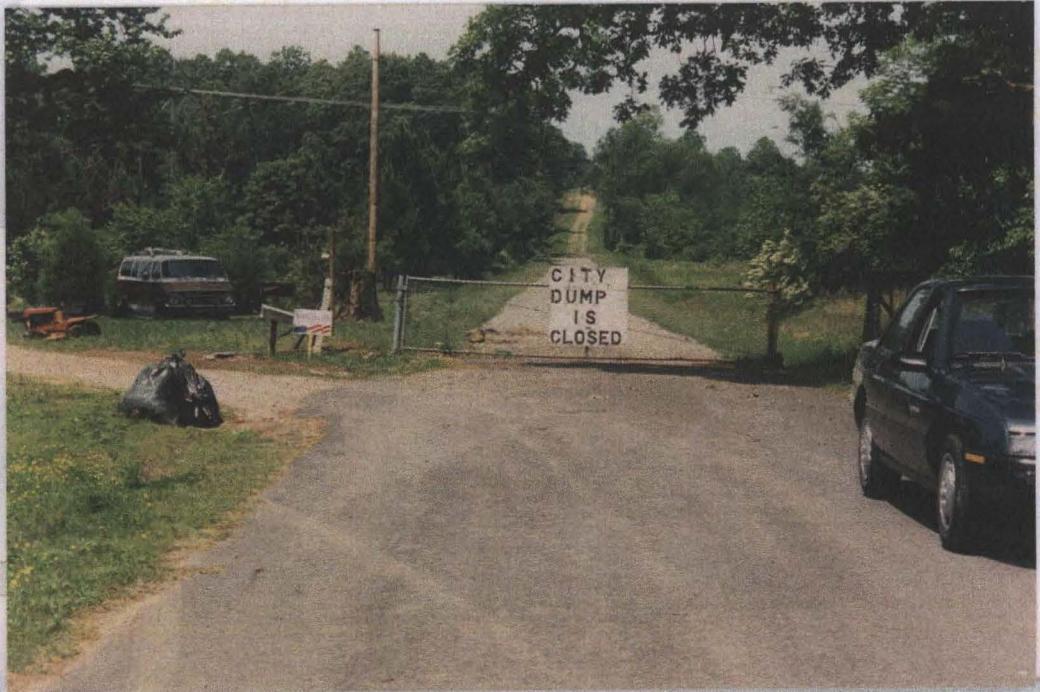
↑
SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 122 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1147 DIRECTION: W
Edge of residence and entry road to site.
↓





SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 123 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1148 DIRECTION: W
Main entrance gate with "CLOSED" sign.

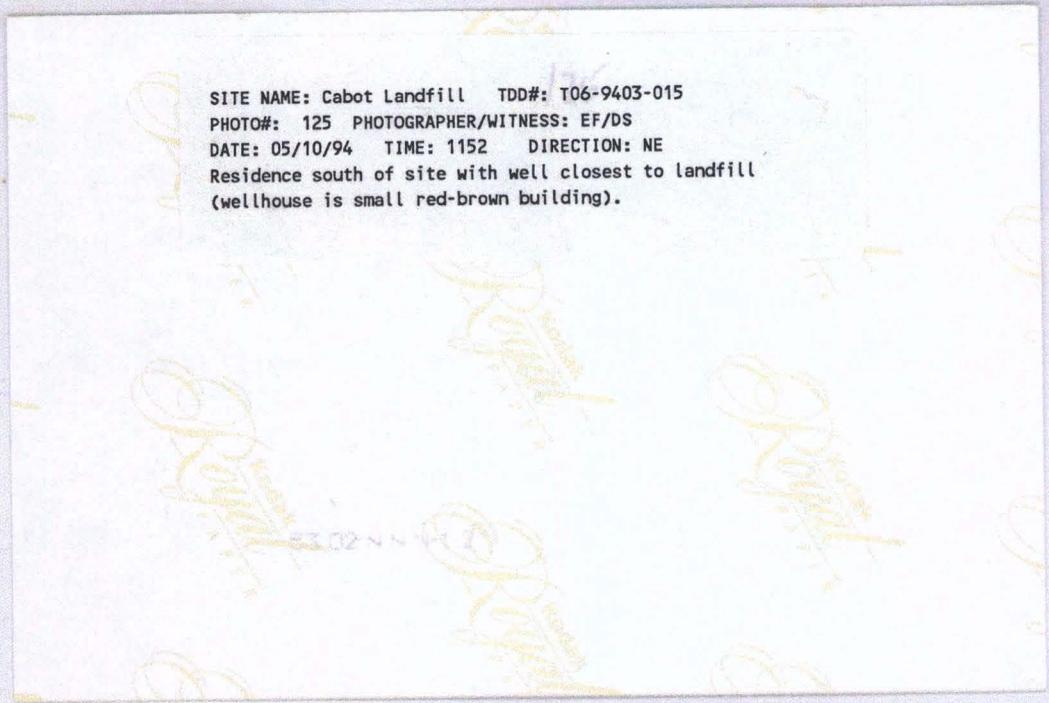
SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 124 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1150 DIRECTION: W
Main site entrance and nearby resident's yard.





SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 125 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1152 DIRECTION: NE
Residence south of site with well closest to landfill
(wellhouse is small red-brown building).

SITE NAME: Cabot Landfill TDD#: T06-9403-015
PHOTO#: 125 PHOTOGRAPHER/WITNESS: EF/DS
DATE: 05/10/94 TIME: 1152 DIRECTION: NE
Residence south of site with well closest to landfill
(wellhouse is small red-brown building).



ATTACHMENT D
Negatives

T06-9403-015

NEGATIVES

CABOT LANDFILL

CABOT/LONOKE COUNTY/ARKANSAS

CERCLIS# ARD983269275

TDD# T06-9403-015

ATTACHMENT E
Copy of Logbook

T06-9403-015



**ecology and
environment, inc.**

International Specialists in the Environment

Job Number ZT206-1; EAR0274SA

Cabot Landfill

Cabot, Lonoke County, AR

TD6-9403-015

CERCLIS# ARD983269275

Andy Dedman - (501) 843-2021

1

E & E Job Number _____

telephone Code Number 0346

Site Name Cabot Landfill

City/State Cabot, Lincoln Co, Arkansas

TDD TCB-9403-015

PAN EAR 0274 SAA

SSID _____

Start/Finish Date 3/31/94 - 5/11/94

Book 1 of 1

& E Emergency Response Center: (716) 684-8940

& E Corporate Center: (716) 684-8060

IEDTOX Hotline: (501) 370-8263

& E Safety Director (Home): (716) 655-1260

2

Cabot Landfill

TOT - 9403-015

3/31/94 0900 hours - TAT has been tasked to conduct a site assessment at Cabot Landfill, Lonoke County, AR. FIT had conducted a previous preliminary assessment (PA) at Cabot in 1990. TAT will obtain additional pre-remedial files to conduct a thorough file review before visiting the site.

0930 - TAT Frank (PM) called Greg Fife, OSC - 655-6773 - to discuss Cabot Landfill (CL) TDD. The TDD states TAT can conduct a drive-by inspection for removal concerns; however OSC Fife wants TAT to try to obtain access to the site, but there will be no sampling. TAT Frank makes arrangements with OSC Fife to obtain Cabot Landfill files for review from Superfund file room - EPA.

EG349

Ed.

1015 - TAT Frank calls the Cabot City Hall (501) 843-3566 to speak with the Sanitation &

Eliza Frank (AM)

3

3/31/94

TOT - 9403-015

landfill dept. TAT is referred to Andy Dedman with the Cabot Street Dept. @ (501) 843-2021.

1110 - TAT Frank speaks with Andy Dedman of Cabot St. Dept. regarding CL. Mr. Dedman stated the landfill closed in October 1986. TAT may have access to the site by obtaining a gate key from Dedman. Mr. Dedman recalled that FIT was on-site in 1990 and asked about obtaining a copy of the FIT Report. TAT Frank will obtain a FOIA contact # from OSC Fife for Mr. Dedman. TAT will also call Mr. Dedman before the specific date of the assessment to make arrangements to get the gate key.

Eliza Frank 3/31/94

4
4/4/94

TOB-9403-015

1145 - File Review: information and background on Cabot Landfill (CL). From the 1990 FIT report: CL is approx $\frac{1}{4}$ mi W. of the N. end of Willie Ray Rd & approx $1\frac{1}{2}$ mi N. of Cabot's community bldg. SW quarter of Lot 5 of Section 6, TWN: 4N RANGE: 9W. N. Lat: $34^{\circ}59'45''$ W. Long: $92^{\circ}01'00''$. The owner/operator is the City of Cabot. Landfill was permitted for 6.4 acres in 1975 and fort 8.5 acres in 1981. However, the landfill had extended beyond its approved boundaries by 1980 and the actual size is unknown. Primarily used for disposal of domestic, commercial and institutional wastes and supposed to cover wastes daily with 6" of compacted soil. The final closure for CL was scheduled for Sept. 1987 at which time a final cover of 2ft of compacted soil + 4" of topsoil was to be applied & seeded. Total acreage 14.9 acres, but extended beyond that. During operation, CL was cited by

Eliza French

4/4/94

TOB-9403-015

the State for exceeding permitted boundaries; leachate problems and overall poor conditions. An inspection in 1981 revealed 34 55-gallon drums mostly labeled "paint stripper". Some were addressed for Falcon Jet of Little Rock, 1 labeled Dreamline manf., 1 labeled lacquer sealer was burned. 2 drums labeled Penwalt EZ strip were leaking. 1 drum of adhesive had leaked, several drums were bulging. A resident nearby stated an abandoned well is beneath the site and several springs are on-site. A state rep. suspects this is the cause of the leachate problem. An intermittent creek runs adjacent to CL and thru an unpopulated area (Four Mile Creek). The PA stated that there may be a potential risk that leachate could enter the creek. CL is located in a remote area but is not fenced or guarded - but there is a gate on the Elizabeth road.

6

4/4/94

TO 6 - 9403-015

road leading to the landfill. There are no city wells within 4 miles of the site. Further file review revealed the following information: From the Application for approval of Sanitary Landfill site, 1977, Character of site: rolling hills, land use around site: pasture & woodland. Four mile creek & one tributary intersects CL. Type of landfill: trench fill. Estimated types and quantities deposited in CL: Residential 75% Commercial (downtown retail businesses) 10% Industrial (a trailer, furniture & garment factory) 15%. No hazardous waste was to be disposed of at site. CL will be fenced & have a locked gate. Proposed future use after closure - City Park.

Soil Conservation Service Memo, 1977

Soils present on site: Leadvale, Tatt, and Enders.

Cubot Sanitary Landfill Soil logs: Soil type is predominantly clay with some

Eliza Frank

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4/4/94

TO 6 - 9403-015

fractured sandstone & shale. A 1 foot liner was to be constructed of recompacted existing materials in every trench.

Topography described: south half of the site "is characterized by a sloped terrain" (approx. 10% slope from SW to NE, "the remainder of the site is generally flat." Site drainage pattern "is toward the NE and to the NW both into a small tributary of Four Mile Creek. A buffer area adjacent to this tributary stream is provided to contain leachate from the landfill. Diversion ditching" will be provided (to prevent ponding across the ldf.l). "Proper construction of levee sections will also assist in diversion of water from the site." A Jan. 6, 1987 - by Dec. 1986 ldf.l. was 75% closed. Leachate may be a result/evidence of receiving a poor quality cover. A Feb. 24, 1981 letter states that after the drums

Eliza Frank

4/4/94

T06-9403-015

were discovered on-site during an inspection, the responsible parties were contacted to pick up the drums, but no record of response from L.P. The 1993 SI report states the site was brought to EPA attention by a citizen complaint. Sampling of both the sediments and water from the source (CL) indicated a presence of hazardous constituents including polynuclear aromatic compounds. On-site leachate springs contained low levels of organic compounds, commonly associated with petroleum products such as tires. Samples taken from on-site drainage ditches indicate low levels of hazardous constituents migrating along the overland flow route of the SW pathway. Sample results are summarized in the 1993 SI report to EPA.

*Eliza Drumb
4/4/94*

4-28-94

T06-9403-015

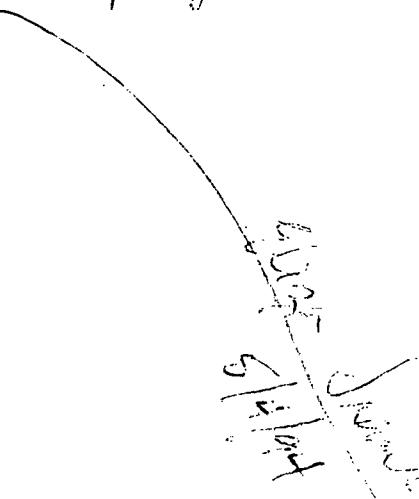
1330 - TAT Frank called the Cabot Street Dept. to arrange obtaining a gate key for Cabot Landfill site. Andy Dedman - TAT's contact - was out of town for the week. TAT Frank obtained directions to the Street Dept offices and left a message for Mr. Dedman regarding TAT's planned date of inspection for CL. Directions: Take the 2nd Cabot exit, stay to the right; at the stop light go right; at the 2nd light go left. Take this road and just after passing the RR tracks take the road to the right. Follow this road until just before it curves. Go straight instead of following the curve. The Street Dept. Warehouse is at the end of the road.

*Eliza Drumb
4-28-94*

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~~at~~ 5/4/94 1350 hrs TD6-9403-015

TAT Frank calls Mr. Dedman of Cabot St. Dept. to make an appointment to meet him between 1000 - 1030 hrs on Tuesday, May 10, 1994. Mr. Dedman will supply the CL gate key to TAT and may accompany TAT to the sites.



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5/10/94

TD6-9403-015

0710 Late entry: TAT Stephens departed residence at 0600 hrs. TAT Frank departed residence at 0620 hrs.

0825 TAT Frank & Stephens, en route to Little Rock, held a SSM (see SSP for meeting notes).

0858 TAT departs Little Rock airport for Cabot

0940 TAT's onsite at Cabot St. Dept. meet met with Andy Dedmon. Enroute to landfill. Andy Dedmon, Street and Sanitation Superintendent, P.O. Box 1113, Cabot, AR 72023.

0950 TAT arrives on-site with Mr. Dedmon, and drives through site to firing range on N side of site. City of Cabot Police have opened a firing range near the ~~site~~ ^{CL}. The access road to the site (and through the site) is used to get to the range. Mr. Dedmon estimates ~~Eliza~~ ^{Eliza} trouble

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5/10/94

T06-9403-015 5/10/94

T06-9403-015

E-8

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PHOTOGRAPH LOG

CAMERA/LENS (MODEL)

SERIAL #

TIME	SQ/FR#	ROLL#	DIR	SUBJECT	P/W
1030	01	01	W	Ponding occurring along N end of site, ar	DS/EF
1032	02		NW	Ponding - driving range in bkgd	
1048	03	↓	S	3 wheeler path running uphill over old dd.fil cell	
1050	04		N	mid area old cell of landfill	
1050	05		NW	" " " " "	
1050	06		W	" " " " "	
1051	07		SW	" " " " "	
1051	08	W	SW	shot from road thru site	
1058	09	↓	W	North (illegal) cell	
1059	10	↓	NW	View toward firerange	
1110	11		N	overview of old cell, view from 3 Wheeler trail, 4 mile Creek	
1111	12		SE	is 1-2 miles over ridge in bkgd	
				view from top of hill of old cell toward houses, entry	DS/EF
1112	13		W	View on top of old cell along road (3 Wheeler)	DS/EF
1112	14	↓	SW	View on top of old cell toward subdivision	DS/EF
1125	15	01	Down	PTL being taken in ditch near intersection at SE corner of old cell	EF/DS
1130	16	01	W	View across old cell	EF/DS
1132	17	↓	NW	ponding in NE corner of cell	EF/DS
1133	18	↓	W	" " " " "	EF/DS

E-8 Fire Park

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the landfill area to be approx 26 acres. (20 acres compose the old site, 6 acres at the north end were used illegally) 4 Mile Creek is between 1/10.2 miles N of the site and runs E to W. Mr Dedmon says he brings in construction debris and dirt to use as cover. There is an area of construction debris piled 3' off the firing range. He's trying to cover the N. 6 acres landfill, illegally. The cover is 2 feet in some places, but he wants a deeper cover. This N area was ^{land} filled ~~not permitted~~ out of compliance, (~~illegal area~~)

1000- Dedmon says people are illegally dumping furniture and mattresses around the site, he recently removed 3 truck loads of illegally dumped garbage. Dedmon stated that there is a significant access problem at the site. The N, W, & E sides ~~Eliza drake~~ ~~site~~

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of the landfill have trees and dense foliage and is located in a relatively remote area. However, the ~~W, S~~ ^{SW} side boundary has residences along it and a new subdivision is being built along the property's ~~SW~~ boundary. There is no fence to keep people or vehicles off the site. Mr. Dedmon proposes placing ditches along the boundary to keep vehicle traffic out. The other big access problem is a result of the firing range that's on the property. Every officer (20) has a key to the site entry gate which blocks the access road to the site & firing range. Mr. Dedmon believes that much of the illegal dumping is a result of this large public accessibility & he has complained to the mayor frequently (the mayor approved ~~Eliza drake~~ ~~site~~

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The location of the firing range). The locked gate is the only entrance to the site, however there is evidence of three wheelbarrows creating other routes onto the site. TAT observed a small road leading over the hilltop of the old landfill cell. Mr Dedmon says the tire piles that formerly were on the site were removed to be recycled through an agreement with the state.

In the 1950's, Mr Dedmon says the valley that was in this area was used to dump household waste. In the 60's the city began to acquire the property to permit it as a landfill. There was an abundance of wildlife observed on the site: deer, dove, rabbits, racoon, etc. TAT did observe deer tracks on site. There was an abundance of birds.

1020 Mr. Dedmon believes that the Eliza French

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drums of solvents observed on-site during a state inspection in 1981 were picked up by the responsible party. However, drums that leaked - there was no known excavation of the soil beneath the drums. Mr Dedmon says that the only businesses in the area are Falcon Jet and a furniture building business. A mobile home building business has ~~shut~~ down. Cabot is a bedroom community for Little Rock. Its size has ~~grown~~ tripled in the last 10 years. The city limits have expanded from the 1954 topo maps to at just south of CL. There is hunting in the area and Mr Dedmon finds shells on-site frequently. As TAT drove on to the site it noted a hill along the middle of the site, several puddles and ditches, lots of foliage, ground

Eliza French

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cover is thick & healthy. In marshy ditch areas there is some known vegetation that appears to be dying as part of the normal decomposition in the area. No odors were observed; the weather is clear, sunny, high in the low 80's °F. There is some dimming light due to a partial solar ~~start~~ eclipse. Overall landfill looks well maintained, covered and clean. There are some small piles of dirt and construction debris (rocks, concrete, etc.) on top of the hill on the old cell portion of the site. The standing water is a result of rainwater puddling and some wet weather springs. Mr. Dedmon has constructed a levee along the N. end of the 6 acre unpermitted area of the landfill. Up to a 4 foot cover has been placed on portions of the 6 acre ~~Eliza Frank~~

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area. Construction debris and dirt and rock is used as a solid cover fill. In order to create a sturdy solid surface that heavy trucks bringing in more fill may drive on. TAT observed a rusty color in the low flowing, shallow ditch by the firing range. Mr. Dedman & TAT Stephens (geologist) explained that the rust colored water is normal to the area (due to iron in the soils, naturally). 1032 TAT & Mr. Dedman walk from firing range onto the 6 acre unpermitted area. Some ponding has occurred on the north part of this area. Mr. Dedmon explains that due to decomposition below the cap/cover, parts of the cover sink and rain water collects & ponds in these low lying areas. TAT Stephens uses Eliza Frank pH paper test strips to test the

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 pH in these 2 ponds. pH = 6-7
 TAT observed no leachate. Mr. Dedmon said he has observed
 no leachate at the site. As he adds cover/cap he then
 walks. TAT progresses down the gravel road moving SE across
 the site onto the large, older
 cell which is approx. 3 acres
 in size. Mr. Dedmon states
 that at one time, he had tires
 accumulated in piles along the
 NE corner of this older cell until
 the state came and picked the
 tires up recently. A small,
 slow flowing, shallow ditch
 is running under the road
 from the SW to the NE. This
 creek accepts runoff from the
 older cell's NW portion. The
 water is clear, small fish or
 tadpoles are visible, no leachate
 observed. TAT Stephen took
 a pH reading from the
 creek water near the outlet
 Eliza Frank

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 using pH paper pH = 7 at 1040 hrs.
 Mr. Dedmon says this creek does
 dry up during the summer.
 TAT observes an old turtle
 shell near the road, the turtle
 appears to have been run over
Late Et
1041 Late entry: while TAT
 was at the small ponds
 on the N part of the larger
 area, TAT Frank observed a
 frog jumping into the pond.
1045: TAT stands along the
 gravel road at approx. the
 middle of the N section of the
 older cell. A small dirt trail/
 road climbs up a hill to
 the S. portion of the cell. Mr.
 Dedmon states that some areas
 here have up to 10 feet of
 cover. This is where old tire
 piles were before being picked
 up by the state. There is an
 abundance of trees & bushes
 Eliza Frank

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on-site: sumac, honeysuckle, dogwood, etc. A small ditch runs along the N. end & NE end of the site which eventually flows into Eliza Creek.

1110 - TAT & Mr Dedmon drive to the top of the hill in the middle of the site which is part of the older 20 acre cell. The trenched areas once used for the garbage can be faintly noted in places where there are slight depressions. Mr Dedmon explains that there are areas where the cells sink (2-3 ft or even 4-5 ft) after decomposition occurs and he keeps covering it. Soil in area is sandy clay and some sandstone layers of rock.

1128 - TAT proceeds down road toward entry gate. At intersection of NW-SE running road and gravel access road that runs

Eliza Creek

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through the old cell. There is a small ditch with a little water flowing in it. TAT Stephens takes a pH reading & pH=6-7 (At the SE corner of the older cell)

1130: TAT proceeds across older cell to a small marshy area where willows are growing in the NE portion of the older cell. Ponding has occurred even though there is a culvert to divert some runoff under the road. TAT Stevens takes a pH reading from the water in these ponds pH = 6-7. Mr Dedmon says that there are no monitoring wells on the site. The surrounding houses and subdivision being built are all on city of Laket Water except for 1 house located near the entrance gate:

(b) (6) residence is still on a private well. Mr Dedmon estimates depth to ground water Eliza Creek

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Photos/log continued from pg. 13

Time	FC	Roll	Dir	P/LW
	1131	19	S	EF/DS
	1132	20	S	EF/DS
			Marsily area beside road at NE corner of orig. res. cell	
			Residence parallel to main entry road	EF/DS
			Main entry road	EF/DS
			Main gate "Utility Dump Closed" sign	EF/DS
			Main gate + nearby residence	EF/DS
			Resident with well closest to EF/DS diff. - known bldg is well house	
1147	22	01	W	
1148	23	01	W	
1150	24	01	W	
1152	25	01	NE	

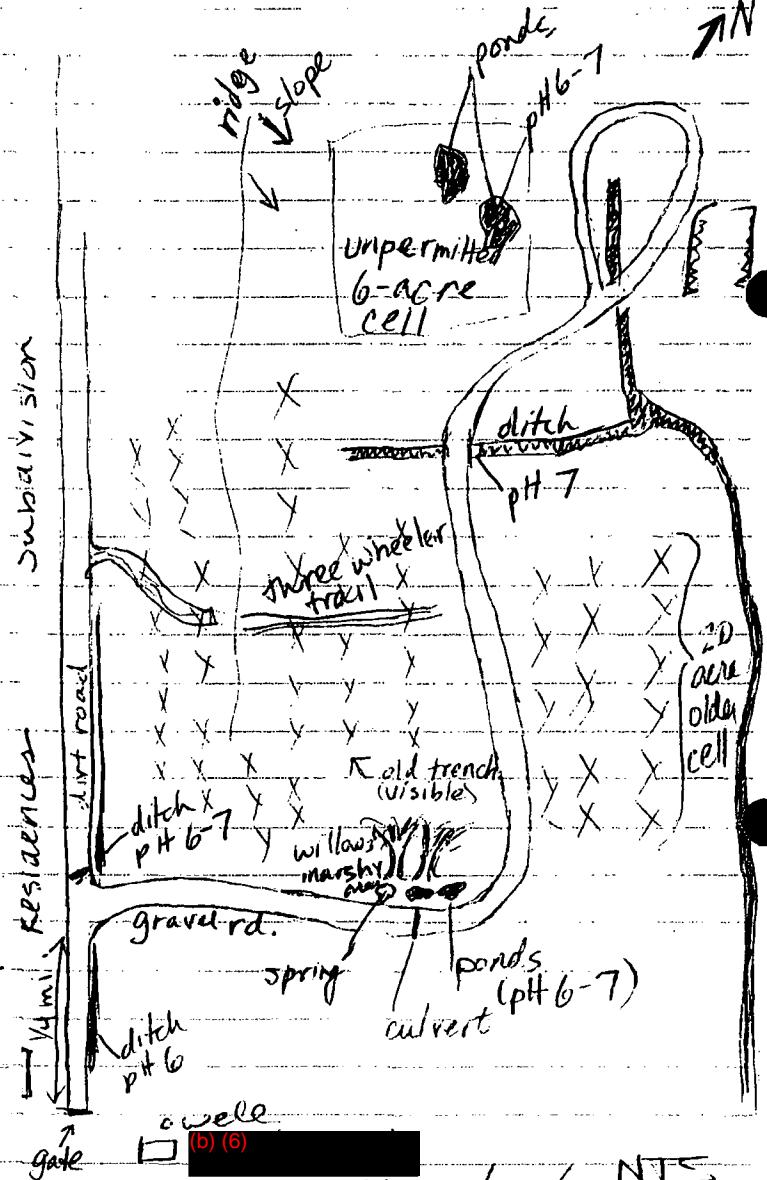
Eliza Frank

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NTS

TO6-9403-015



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designated entrance; however many people in the community have a key to the gate because there is a maintained gravel road through the site that leads to a police firing range on-site with 400 ft. of the non-permitted 6 acre landfil. area and ~~the~~ there is no fence or security ~~at~~ to keep people from accessing the site on foot or on vehicles (3 wheelers, cars, etc.) from the SW side of the site. There are several residences along the SW site boundary and a new subdivision is being built which will contain approx. 100 homes when completed. There is evidence of public use on site: a worn trail (wide enough for a three Wheeler) crosses the older 20 acre cell from the

Eliza Frank

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ing of mattresses & furniture is occurring according to Mr. Dedmon. Mr. Dedmon continues to haul illegally dumped garbage off-site to another permitted facility. He also expressed concern about potential future lead levels in the area of the firing range.

Mr. Dedmon proposes to dig deep ditches along the SW boundary to restrict vehicle traffic, but he cannot proceed until the access through the locked gate is controlled.

Cover material continues to be brought in to keep capping the old fill as decomposition occurs and depressions appear in the old trenches. The cover is presently estimated to be at least 2 ft deep and goes to a depth of 4-10 ft in some areas. The thickest cap portion is in the NW portion

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of the site. Some depressions ranging from 1-5 ft are apparent in the cap, but the cap appears intact and the area is clear. The building and tire piles noted during the 1993 FIT PA have been removed.

Only one dw well near the site is in use at [REDACTED] (b) (6)

residence.

1993
Site
Survey
5/10/94

5/11/94

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1320: ROC OSC File returns message from TAT Frank. TAT Frank briefs OSC File on Cabot Ldfl. assessment.

Eliza Frank
5/11/94

ATTACHMENT F
Copy of TDD# T06-9403-015

A.Cost Center:

ZT 2061

B.Account No.:

EAR0274SA

**TAT ZONE II CONTRACT
CONTRACT NO. 68-WO-0037
TECHNICAL DIRECTION DOCUMENT (TDD)
ECOLOGY AND ENVIRONMENT, INC.**

2.No.:

T06-9403-015

Amendment:

FY

3A.Priority
 High
 Medium
 Low

4A.Estimate of
Total Hours:
 (b) (4) \$5040
Total Costs:

5A.EPA Site Name:

Cabot Landfill

7.CERCLIS ID:

ARD933269275

3B.Key EPA Contract:

Name: FIRE

Phone:

655-6773

4B.Overtime
Approved:
 Yes
 No

5B.SSID No.: N/a

SC.City / County /State:

Cabot/Lonoke/AR

8.Completion Date:

09/06/94

6.Source of Funds: CEPP _____
 CERCLA _____
 OPA _____
 UST _____

8B.Reference Info:

Yes Attached
 No Pick-up

9.Type of Activity:

OPA

SPCC
 On-Scene Monitoring
 Spill Clean-up Funded

CERCLA

Site Assessment
 Removal Funded
 Removal PRP (AO/CO)
 On-Site Monitoring

AS SPECIFIED ABOVE

Special Project
 Analytical Project
 Corp. Special Project
 Preparedness
 UST
 FEMA

Quality Assurance
 Training
 Program Management
 Technical Assistance
 Information Management

Telecode: 0346

10.General Task Description: Conduct site assessment at the Cabot Landfill Site

11.Desired Report Form:

Formal Report
 Letter Report
 Formal Briefing
 Other(Specify)

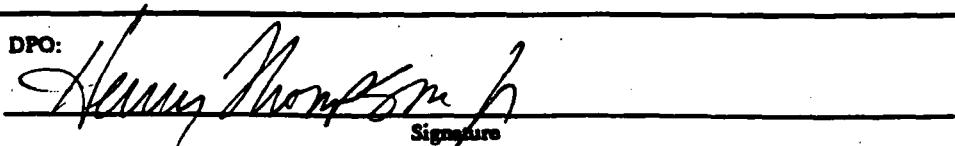
12.Specific Elements:

1) Conduct site assessment via drive by windshield, non invasive inspection (i.e. look for any potential for further action.)

13.Interim Deadlines:

Brief OSC.N/a3) Phoracurement4) Log Maintenance5) All other SOPS for site assessment.6) Return attached information, post assessment.7) Coordinate with all appropriate State and local officials.

14.Authorizing DPO:


Henry Thompson
 Signature

15.Date:

03/22/9416.Received by: Accepted Accepted with Exceptions(Attached) Rejected

Chris Olin

TATL Signature

17.Date:

3/24/94FRANK